

CLAIMS

What is Claimed is:

1 1. A sealed device for supplying the essences of infusible and
2 water-soluble potable matter into a liquid comprising an enclosure having openings
3 which are sized and have densities per unit area substantially to eliminate the
4 effect of surface tension of the liquid and, thus, to encourage respective
5 conveyance of the essences into the liquid.

1 2. A sealed device according to claim 1 in which said enclosure
2 comprises a tri-laminated material including a construction formed from layers of
3 a polymer material sandwiched about an aluminum layer.

1 3. A sealed device according to claim 1 in which the openings comprise
2 micro-pores that form a screen in which the micro-pores are smaller than the
3 nominal size of the matter when the matter comprises infusible matter.

1 4. A sealed device according to claim 3 in which said enclosure
2 comprises a woven membrane.

1 5. A sealed device according to claim 4 in which said woven membrane
2 comprises food-grade monofilament polymer.

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1 6. A sealed device according to claim 5 in which said monofilament
2 polymer comprises a polypropylene netting or gauze alternating with a stabilized
3 yarn.

1 7. A sealed device according to claim 3 in which said enclosure
2 comprises a tri-laminated material including a construction formed from layers of
3 a polymer material sandwiched about an aluminum layer.

1 8. A sealed device according to claim 3 in which said enclosure is
2 embodied as a tube.

1 9. A sealed device according to claim 8 in which said tube is formed
2 from a sheet of material lap-sealed upon itself.

1 10. A sealed device according to claim 8 in which said tube is formed
2 from a sheet of material fin-sealed upon itself.

1 11. A sealed device according to claim 3 in which said enclosure is
2 formed from an expandible container.

1 12. A sealed device according to claim 11 in which said container has a
2 pleated configuration to permit its expansion as the contained matter expands
3 upon contact with the liquid without causing a squeezing pressure upon the
4 matter.

1 13. A sealed device according to claim 1 in which said enclosure has
2 sufficient rigidity which provides a adequate structural integrity to permits its
3 employment as a stirring rod for permitting the essence of the matter contained
4 in the enclosure to be conveyed into the liquid.

1 14. A sealed device according to claim 1 in which the matter contained
2 in the enclosure is in crystalline, powder and granular form, and in combinations
3 thereof.

1 15. A sealed device according to claim 14 in which the matter comprises
2 a pre-measured medication in dry form which is dissolvable in a ready-to-use form.

1 16. A method for supplying the essences of infusible and water-soluble
2 potable matter into a liquid comprising the steps of providing openings in an
3 enclosure which are sized and have densities per unit area to substantially
4 eliminate the effect of surface tension of the liquid and, therefore, to encourage
5 respective infusion and dissolution of the essences into the liquid.

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1 17. A method according to claim 16 further comprising the step of
2 forming the openings as micro-pores to form a screen that are smaller than the
3 nominal size of the matter when the matter comprises infusible matter.

1 18. A sealed device for supplying the essences of infusible and
2 water-soluble matter into a liquid comprising an enclosure having openings which
3 are sized and have densities per unit area substantially to eliminate the effect of
4 surface tension of the liquid and, thus, to encourage respective conveyance of the
5 essences into the liquid.

1 19. A method for supplying the essences of infusible and water-soluble
2 matter into a liquid comprising the steps of providing openings in an enclosure
3 which are sized and have densities per unit area to substantially eliminate the
4 effect of surface tension of the liquid and, therefore, to encourage respective
5 infusion and dissolution of the essences into the liquid.

1 20. A method according to claim 14 further comprising the step of
2 forming the openings as micro-pores to form a screen that are smaller than the
3 nominal size of the matter when the matter comprises infusible matter.